



Santa Cruz District
600 Ocean St.
Santa Cruz, Ca 95060

December 12, 2000

Walt Sadinski
United States Department of the Interior
Fish and Wildlife Service
Ventura Fish and Wildlife Office
2493 Portola Rd., Suite B
Ventura, Ca 93003

**FISH AND WILDLIFE
SERVICE**

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VENTURA, CA**

Dear Mr. Sadinski,

This letter will serve as a report of the year-2000 Ohlone tiger beetle surveys that you requested by telephone to George Gray of my staff on October 12, 2000. George Gray also provided you the following information by telephone on October 13, 2000.

Four State Park staff were trained by local Consulting Biologist Randy Morgan on March 19 and 21, 2000. Attached are two documents summarizing that training.

Additional surveys at Wilder Ranch State Park and the Gray Whale Acquisition were conducted on March 23 and 24, and April 3, 5, 7, 10, 13, 17, 19, 21, and 25. Tim Hyland also conducted occasional surveys during the 77 hours spent during prairie surveys on March 21, 22, 26, 29, and 30, and April 3, 4, 5, 6, 11, 12. Of the roughly 117 hours of surveys conducted, 60 of these hours were conducted on days when known populations of Ohlone tiger beetle on adjacent properties were observed. On these days, surveyors visited adjacent sites to confirm that Ohlone tiger beetle were out and about on that particular day. Attached is the log sheet of these surveys.

No Ohlone tiger beetle or burrows were observed during any of the 2000 surveys in Wilder Ranch State Park and the Gray Whale Acquisition. We also investigated previous reports of sightings there and did not find beetles or burrows at these sites. Observations of beetles on the adjacent U.C. Santa Cruz property were frequent.

Due to the proximity of adjacent population, we feel that some presence of Ohlone tiger beetle will eventually be confirmed, but we were unable to do so during the year-2000 surveys.

Please contact George Gray of my staff with any further questions.

David K. Vincent
District Superintendent

Beetle Surveys - 2000

Date	Person(s)	Hours	Checked A.K.A.
March 19	Chris, George, Tim, Randy	5 hrs = 20	✓
March 21	Randy, George, Tim, Shannon	4 hrs = 16	✓
3/23	George	5 hrs.	✓
3/24	George	4 hrs.	✓
27-31	Asilomar		
4/3	W/Jed. + Bill	4 hrs	
4/5		6 hrs.	✓
4/7		4	
10		4	✓
13		5	
17		6	
19		4	✓
4/21		5	
25		6	
4/26		4 hrs	

Tim Hyland - Survey dates incidental to prairie monitoring:
 3/21, 3/22, 3/26, 3/29, 3/30, 4/3, 4/4, 4/5,
 4/6, 4/11, 4/12 - estimate 25 hours

Called Walt Sadinski 10-1300 and reported 117 hrs surveys
 60 of those on days where surveyors had found
 beetles at other sites. No beetles found.

June 12, 2000

George Gray
c/o California State Parks
600 Ocean St.
Santa Cruz, CA 95060

Dear Mr. Gray,

On March 19 and 21, 2000, I trained Chris Spohrer, Tim Hyland, and yourself in Ohlone tiger beetle survey techniques. We visited the Winkle Ave, S.C. Gardens site, Scotts Valley site, Marshall Field, Younger and Bombay properties, and UCSC adjacent to Marshall Field.

Survey techniques discussed and demonstrated were; differentiation between males and females, burrow identification, catching beetles, soil and vegetation related to habitat, and climate most suitable for surveys. As trained, I consider these persons to be qualified to conduct these surveys.


Randy Morgan

INVOICE

Train employees in tiger beetle survey techniques per Agreement for Services No. 65884.

Nine (9) hours at \$75.00 per hour = \$675.00.

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Ohlone Tiger Beetle Survey Training with Randy Morgan March 19 and 21, 2000, with George Gray, Chris Spohrer, Tim Hyland, and Shannon Hernandez.

- Winkle Ave, S.C. Gardens site, the 'type location' for the species. Saw approximately 10 males in old grassy road through grassland on ridge. Individuals moved about 8 feet when flushed. Look 6 to 8 feet in front of you as you walk to detect flights. Male has no ovipositor. Associated plants are *Danthonia*, *Juncus occidentalis*, *Camissonia*, *Chlorogalum*. No burrows seen.
- Scotts Valley site. Soil again is Santa Cruz Mudstone, usually fine-grained, shallow, only 1 foot to bedrock. Little coarseness in the soil, little slope, and if soil is sandy, it must have something to hold it together. A dark spider was again seen scurrying in the habitat. Larvae burrow 2-3 years, usually deep enough to be out of harms way from cattle and horses, but possibly not deep enough to be killed by pig rooting. Have been seen eating earthworms. May eat the dark spider, but does not seem to be particularly attracted to them. No burrows seen, 20 males seen, no females, one flew 40 feet when flushed, which is unusual. Beetles were using an area to the east in which they had not been previously found.
- Marshall Field (field across from new parking lot). No beetles seen. Moderate rooting by pigs had created a lumpy surface not characteristic of good habitat. Still a little wet here, late April and early May may be better.
- Younger and Bombay properties. Cattle had been at both sites during wet conditions and disturbed habitat – looked much like pig rooting. Habitat was marginal with no beetles found.
- UCSC property across road from Twin Gates. Heavy mountain bike tracks through suitable habitat (some of the disturbed areas were muddy, others just very damp). No beetles seen in these areas. 20 beetles seen on a gravelly road which was not the typical habitat. One area of road was mowed along the edge which seemed to enhance habitat. 12 beetles were seen along a 50 yard length of trail which was not used by mountain bikes.